

(11) **EP 0 967 580 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 15.11.2000 Bulletin 2000/46

(43) Date of publication A2: 29.12.1999 Bulletin 1999/52

(21) Application number: 99304901.4

(22) Date of filing: 22.06.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

Designated Extension States: AL LT LV MK RO SI

(30) Priority: 23.06.1998 US 102805

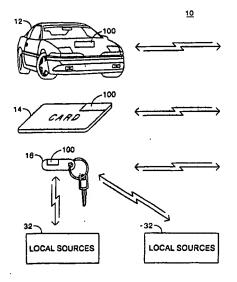
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(54) Centralized transponder arbitration

(57) The present invention relates to determining the proximity of a tag to a fuel dispensing position of a forecourt (20) and provides a system to store a sequence of data records relating to attributes of interactions between fuel dispensers (20) and tags (100). The data records may be stored on the tag or at a location remote from the tag, such as a fuel dispenser, central site controller (28) or other network (300). The data records may contain the identity of the dispenser, tag and any attribute or a received signal, such as frequency

band or signal strength, or other attribute indicative of proximity. Every dispenser (200) that attempts to communicate with a tag (100) adds its won interaction data to a limited history of a tag's past interactions with the same and other dispensers. When a dispenser (200) or central site control system (28) examines the contents of the interaction histories, the detected presence of other dispensers or the relative strength of the recorded interaction attributes will determine what, if any, action is to be taken by the dispensers or central site control system to communicate with the tag.



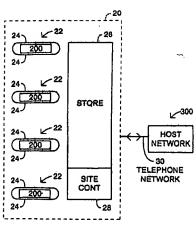


FIG.'1

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-	Place of search	Date of completion of the search		Examiner
	THE HAGUE	25 September 2000		
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